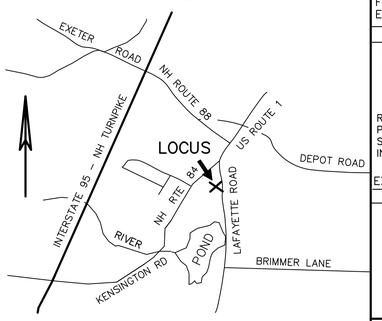
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 799 – URBAN LAND

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1	SET NAIL STUMP EL 40.88
#2	SET HUB EL 39.72
#3	SET HUB EL 43.27

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 43.0
2. THERE IS/ARE APPROX 0.9 FT ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

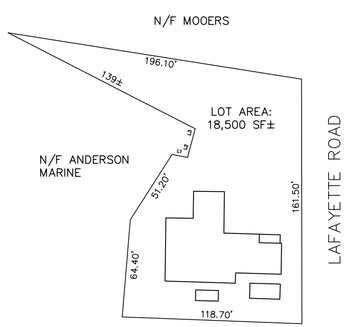
50	EXISTING CONTOUR
(50)	PROPOSED CONTOUR
50.0	EXISTING SPOT ELEVATION
(50.0)	PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD 2250–1841, RCRD PLANS 02201, D13450
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD PRE–1967

SEE RCRD 1023–339 (1945), RCRD PLAN 02201 (1954)

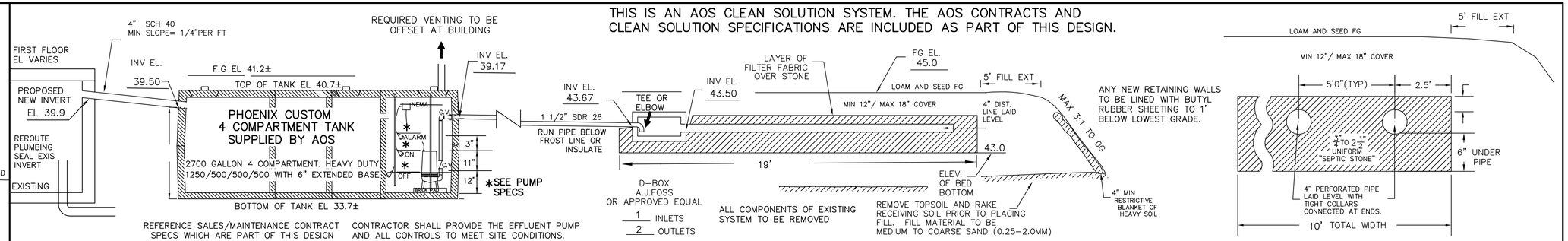
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. DESIGNER MUST BE CONSULTED FOR ANY PROPOSED CHANGES OR ERRORS/DISCREPANCIES FOUND DURING SYSTEM INSTALLATION. (603 929–7404) INSTALLER IS RESPONSIBLE FOR ANY TOWN PERMITS OR INSPECTIONS REQUIRED FOR THIS INSTALLATION.



PLOT PLAN

1" = 50'

THIS IS AN AOS CLEAN SOLUTION SYSTEM. THE AOS CONTRACTS AND CLEAN SOLUTION SPECIFICATIONS ARE INCLUDED AS PART OF THIS DESIGN.



REFERENCE SALES/MAINTENANCE CONTRACT SPECS WHICH ARE PART OF THIS DESIGN

CONTRACTOR SHALL PROVIDE THE EFFLUENT PUMP AND ALL CONTROLS TO MEET SITE CONDITIONS.

TANK AND JOINTS MUST BE WATERTIGHT. SEAL ALL UNUSED OUTLETS. MAINTAIN UNOBSTRUCTED ACCESS TO ALL CHAMBERS

THESE COMPONENTS ARE NOT H20 – KEEP VEHICLES OFF TANKS AND FIELD.

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

EXISTING SYSTEM FAILURE EVIDENCED BY TEST PIT RESULTS.
SYSTEM IS UNDERSIZED AND INTERSECTS GROUNDWATER.

SITE LOADING

PROPOSED ISDS IS DESIGNED TO SERVICE

EITHER

A TWO BEDROOM SINGLE FAMILY DWELLING

OR

COMMERCIAL USE LIMITED TO TOTAL DESIGN LOADING OF 300 GPD.

AS THIS IS BOTH THE MINIMUM ALLOWED DESIGN LOADING FOR A NEW SYSTEM AND ALSO THE MAXIMUM ALLOWED SITE LOADING FOR A PRE–1967 LOT OF RECORD WITH A PRE–EXISTING NON–CONFORMING USE, SITE LOADING CALCULATIONS ARE OMITTED AS UNNECESSARY.

WELL RADIUS

EXISTING WELL RADIUS IS DEEMED PRECLUDED FROM DEVELOPMENT BASED ON TOWN BUILDING SETBACK, TOWN AND STATE WETLAND SETBACKS, AND PRE–EXISTING ABUTTING WELL RADIUS.

REQUIREMENTS OF THE TOWN OF HAMPTON FALLS BUILDING CODE CAN BE WAIVED TO PERMIT REVIEW OF THIS DESIGN BY NHDES–SUBSURFACE. A SPECIAL EXCEPTION IS NEEDED FOR RELIEF FROM ZONING ARTICLE 8.5.2 (WETLAND SETBACKS).(granted 9/24/15) PROPOSED SYSTEM CONFORMS TO STRUCTURE SETBACK REQUIREMENTS FOR THE TOWN CENTER DISTRICT.

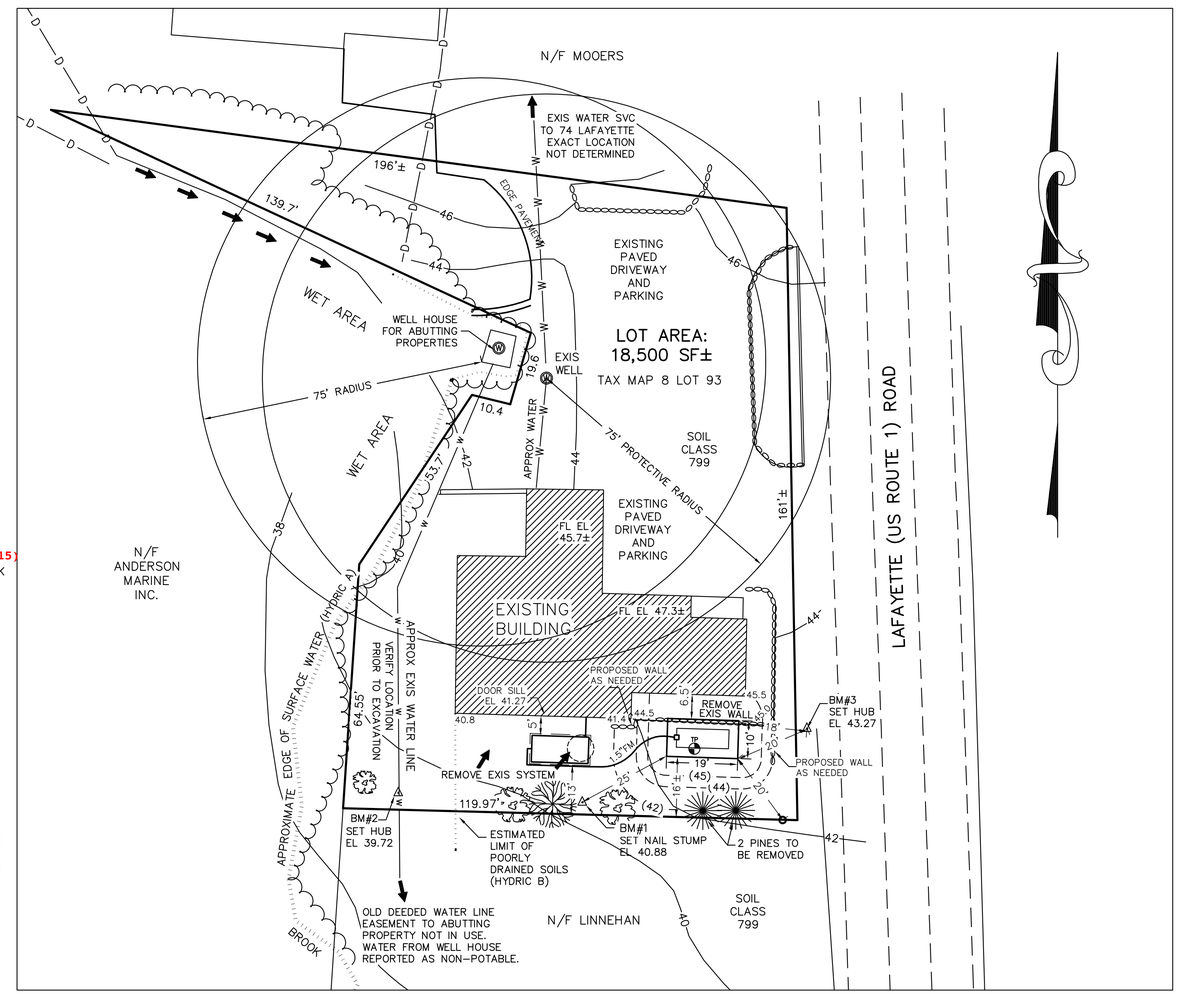
THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT OR THE ABUTTING LOT WITHIN 100' OF ANY COMPONENT OF THE ISDS OR WELL.

PUMP SPECIFICATIONS

HYDROMATIC SHEF 30M1 EFFLUENT PUMP
0.3 HP, 115 V, 1 1/2" DISCHARGE
WITH NEMA CONTROL PANEL AND HIGH WATER ALARM HOUSED IN BUILDING
FLOATS TO BE SET APPROXIMATELY AS SHOWN TO GENERATE APPROX 100 GAL CYCLE FOR 3± CYCLES PER DAY BASED ON 300 GPD DESIGN LOADING FOR EXISTING USE.
PUMP WILL DELIVER APPROX 35 GPM AT 10' ESTIMATED TDH FOR 3 ± MINUTES PUMP RUNNING TIME.

ELECTRICAL CONTROLS MUST BE APPROVED BY PUMP MANUFACTURER.

PLAN : 1"=20'



TEST PIT DATA

DATE: JULY 22, 2015

TOWN INSPECTOR: MIKE CUOMO

TEST PIT #1 EL 42.1

0 –13"	10YR3/3	FINE SANDY LOAM, FILL, FRIABLE GRANULAR
13–16"	10YR2/1	ORIGINAL TOPSOIL, LOAMY SAND FRIABLE, BLOCKY WITH REDOX
16–28"	2.5Y6/4	LOAMY SAND, FRIABLE, BLOCKY WITH REDOX
28–48"	2.5Y6/3	SILT LOAM, FIRM, MASSIVE WITH REDOX

ESHWT @ 13", OBSERVED WATER @ 36", NO REFUSAL

PERC TEST DATA

DESIGN PERC RATE: N/A CLEAN SOLUTION SYSTEM

DESIGN LOADING: MAXIMUM DESIGN LOADING 300 GPD

LEACH FIELD AREA REQUIRED: 75–100 SF PER CLEAN SOLUTION GUIDELINES

LEACH FIELD AREA PROPOSED: 10' X 19' = 190 SF PROPOSED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 72 LAFAYETTE ROAD
HAMPTON FALLS, NH
TAX MAP 8 LOT 93

Approved. 10/7/2015
Town of Hampton Falls
Septic Examiner

OWNER: PAUL A. MOOERS JR.
56 WINDSOR GREEN ROAD
GREENLAND, NH 03840

Leonard Lord
RCCD

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ Anne W. Bialobrzeski No. 348 Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842
603 929–7404

DATE: AUGUST 4, 2015
REVISED AUGUST 17, 2015

APPROVAL: _____

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS IN ADDITION TO THOSE OUTLINED IN AOS SALES AND MAINTENANCE CONTRACTS.

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.
ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.
ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

REVIEWED AND APPROVED IN ACCORDANCE WITH THE REQUIREMENTS OF THE DEPT OF ENVIRONMENTAL SERVICES WATER DIVISION